

WORKSHEET

MATHEMATICS

JH GIS 3 JOGJA



Subject : Mathematics

Unit & Topic

**Multiplication and
Division of Integers**

Date :

Grade : 7

Group :

Instruction

- Complete the following worksheet, then determine the rules of multiplication and division for integers.
- After understanding how to perform multiplication and division of integers, solve the problems given by the teacher.
- Simple problems are worth 1 point, and word problems are worth 3 points.

MULTIPLICATION INTEGERS

To understand about how to determine the rules of multiplication and division for integers, observed that:

3	x	3	⁻¹	=	9	⁻³
3	x	2	⁻¹	=	6	⁻³
3	x	1	⁻¹	=	3	⁻³
3	x	0		=	0	

3	⁻¹	x	3	=	9	⁻³
2	⁻¹	x	3	=	6	⁻³
1	⁻¹	x	3	=	3	⁻³
0		x	3	=	0	

$$3 \times (-1) = \dots$$

$$(-1) \times 3 = \dots$$

$$3 \times (-2) = \dots$$

$$(-2) \times 3 = \dots$$

(positive) x (negative) = ...

(negative) x (positive) = ...

Meanwhile,

(positive) x (positive) = ...

(negative) x (negative) = (positive)

DIVISION INTEGERS

Division of integers have **SAME** rules with Multiplication, so we have:

$$(+) : (+) = (+)$$

$$(-) : (-) = (...)$$

$$(+) : (-) = (...)$$

$$(-) : (+) = (...)$$

EXERCISES

1. Work out:

- $6 \times 8 = \dots$
- $(-14) : 7 = \dots$
- $9 \times 4 : 6 = \dots$
- $19 - 9 + 6 \times 7 = \dots$
- $(9 + 4) \times 5 - 18 : 6 = \dots$

2. Sebuah kardus terdapat 480 butir telur. Kemudian telur tersebut dimasukkan ke dalam kantong plastik. Setiap kantong plastik berisi 8 butir telur. Berapakah kantong plastik yang dibutuhkan?

3. Bibi mempunyai 5 karung beras. Setiap karungnya berisi 3 kg beras. Lalu beras sebanyak 5 kg dibeli oleh Bu Ari, sedangkan sisanya dibagi kepada 2 adiknya sama banyak. Berapa kilogram beras yang diterima oleh masing-masing adik Bibi?

4. Price List:

- T-shirt: Rp45.000,00
- Shirt: Rp52.000,00
- Short cotton pants: Rp47.500,00
- Long cotton pants: Rp90.000,00
- Jeans: Rp125.000,00

If Arief pays for his shopping, which consists of **2 T-shirts, 1 pair of long cotton pants, and 2 pairs of jeans**, using Rp500.000,00, how much change will Arief receive?

You may write the answer on the HVS paper provided by the teacher.

Goodluck, sayangku!

